Guide for Installing OS X Yosemite on Dell XPS 18

The computer specifications for my Dell XPS 18 are as follows:

- BCM943225 Wifi+Bluetooth card(Installed by me, not by Dell)
- CPU – Intel Core i3-3227U CPU @ 1.90GHz

Before you begin, please note that you make alterations to your computer at your own risk. I will not take any responsibility for anything that happens to your computer. Also please note that your mileage will most definitely vary. I'll attempt to include any links to any guides I use or locations where I find the various items I downloaded.

I am going to be dual booting windows and Mac, just FYI.

Now on to the guide!

1. Create a installation USB using TonyMacX86.com's guide. Only follow it until you have a working installation USB. We will be going through the complete install process here.

2. Before I began installing, I actually downloaded everything I would need (programs, kexts, etc) for this process. This includes:

   a. Geekbench
   b. MaciASL
   c. Probook Installer
   d. Chameleon Wizard
   e. DPCIManager
   f. Multibeast
   g. Kext Utility
   h. IORegistryExplorer
   i. Battery Status Kext
   j. Wifi Driver – I had to use toledaARPT.kext. See #23 for location.
   k. Back up any files you wish to keep before erasing your hard drive. The other option is to purchase a new hard drive (HHD or SSD) and install it in your computer so that you do not bother the original installation of your computer (good to have that backup if you are capable of doing so).

3. When you are ready to begin hackintoshing your Dell XPS 18, boot up your computer and immediately press F2 to get to the BIOS settings. You will need to make two changes:

   a. Set the SATA mode to ACHI (or make sure it's set to that)

b. Disable Virtualization Technology
c. Set the boot list option to "Legacy".
d. Save and reboot

4. Boot to the Unibeast Installation USB

5. From the screen that lists your USB and Hard Drive(s), select your installation USB and enter the following bootflags:

   -v –x IGPEnabler=No

6. Press Enter/Return to run the usb with the boot flags.

7. When the installation screen appears, click the language you wish to install with and click the next arrow.

8. From the menu bar click "Utilities" and then click "Disk Utility…"

9. Select the hard drive you will be installing Mac OS X on.

10. Click on "Partition"

11. From the "Partition Layout" menu, select the number of partitions you will need. Since I will be dual booting, I am going to select 2 partitions.

12. Click on the first partition (mine shows "Untitled 1"). Name it (I named mine "Mac"), and select "Mac OS Extended (Journaled)" as the format.

13. Format your second partition for what you need. I am formatting for windows, so I used "MS-DOS (FAT)" as the format and named it "WINDOWS". It's going to get reformatted later when you install windows anyway so it's just so you know what it is for the purposes of this guide.

14. When done, click Apply, then Partition.

15. Once complete, close the Disk Utility Window.

16. Click Continue and Agree to the terms.

17. Select your Mac partition and then click continue.

18. Yosemite will take several minutes to install.

19. Once completed, your computer will reboot.

20. Reboot again to your USB, then select the Hard drive and enter the same previous boot flags:

    -v –x IGPEnabler=No

21. Run through the setup process to set up your new Hackintosh with your information.

22. Once you are in, plug in the separate USB you made that contains all the programs.

23. The first thing I did was to install the wifi driver so that my BCM943225 card worked. (NOTE: The originally installed [by Dell] wifi card was incompatible with Mac, even though the Bluetooth part of it did work. I purchased the BCM943225 card and installed it. Only do this if you are knowledgeable about the inside of a computer device and know how to make changes. If you do not, I suggest finding a friend who can or pay for someone to make the upgrade for you.)

    I used Toleda's kext "toledaARPT.kext" to get mine working. I just used Kext Utility to install it. The kext I used can be found by reading the guide [here].

    For this next section, I will be following Rehabman's [Power Management Guide.] Refer back to it if you have any issues. This is the section where your computer will really differ from mine, especially if your processor is different from mine.

24. Run Multibeast and make your selections. Your build should look something like this:

    Quick Start > DSDT Free
    Drivers > Disk > 3rd Party SATA
    Drivers > Misc > FakeSMC v 6.14.1364
    Drivers > System > Patched AppleIntelCPUPowerManagement > OS X 10.9.0
    Bootloaders > Chimera v4.0.1
    Customize > Boot Options > Basic Boot Options
    Customize > Boot Options > Generate CPU States
    Customize > Boot Options > IGPEnabler=No
    Customize > Boot Options > Kext Dev Mode
    Customize > Boot Options > Verbose Boot
    Customize > System Definitions > MacBook Pro > MacBook Pro 8,1
    Customize > Themes > tonymacx86 Black

25. Click Install, then agree. If prompted, enter your password.

26. Navigate to /Extra and open "org.chameleon.Boot.plist" in text editor. Change "GeneratePStates" and "GenerateCStates" to No.

27. *Once you are done installing, we will need to reboot and run tests on the CPU.*

    Detouring a bit from the guide, we will need to fix the Boot0 error before we can reboot back into Mac. Numbers 28 through 33 goes through that process.

28. Boot to your USB and boot into the Unibeast Installation USB as if you were going to reinstall Mac OS X. Be sure to enter the previous boot flags –x –v IGPEnabler=No

29. Access Disk Utility.

30. Select the Mac partition (not the entire hard drive) and click Unmount. Close Disk Utility.

31. Open Terminal.

32. Enter the following:

    dd if=/usr/standalone/i386/boot1h of=/dev/disk0s2

33. Close Terminal and restart the computer. Unplug your USBs and let the computer reboot normally without assistance or boot flags. It should let you in no problem. If you have issues, post here. You may have to use the –x boot flag while booting into the hard drive using the Installation USB if you do have any panics. Posting a photo of the panic will help others assist you.

34. If you get in with no problems, then open the following programs:

    a. GeekBench
    b. DPCI Manager

35. Open the P States Monitor in the DPCI Manager and Run Geekbench. In the P States monitor you should see several P States listed, and the current state should change. If not, you need to post an IOReg file using the IORegistryExplorer software and using the guide at the previously supplied link.

36. If This works, then open the Probook Installer program (you may need to adjust security settings in order to be able to open Applications from Anywhere.)

37. Go through the first screens until you get to the list of items to install. Select the following:

a. SSDT Generator
b. Misc OS X Fixes > Sleep Fix > Sleep Image Fix

38. Click continue and those will install.

39. Navigate to the /Extra folder and open org.chameleon.Boot.plist. Verify that the GenerateCStates and GeneratePStates are still set to No. Then add the following:

<key>DropSSDT</key>
<string>Yes</string>

40. Save and close.

41. Open SSDT.aml from the same folder. (it will open in MaciASL)

42. Find where it says "plugin" (there should only be one instance) and change it from "One" to "Zero".

43. Change all instances of "_SB" to "_PR".

44. Save and close.

45. Reboot and test your Power management with DPCI Manager and Geekbench again. If you have any issues, post so that someone can help you.

   This next section will be finishing up, not following any particular guides unless otherwise stated.

46. Open the program MaciASL. Open Preferences, and then click on "Sources". Click the "+" sign and add the name "RehabMan" to the name column, and the following URL:

   http://raw.github.com/RehabMan/Laptop-DSDT-Patch/master

47. Once you get that added, exit preferences and click on "Patch".

48. Run the following Patches

   a. [bat} Dell XPS 18
   b. [igpu] HD4000 High Resolution
   c. [igpu] rename GFX0 to IGPU
   d. [igpu] Brightness Fix (HD3000/HD4000)
   e. [syn] Fix _PLD Buffer/Package Error

49. Once done, close the patch window and run compile. You sould receive no red-marked errors. If you do, post here and someone can help you resolve.

50. Save as DSDT with the file format of "ACPI Machine Language Binary" under the /Extra Folder.

51. Reboot your computer. You should notice a change in the graphics when you do.

52. Open System Preferences and then click "Energy Saver". Ensure that under both "Battery" and "Power Adapter" that Computer Sleep is set to Never. Also, be sure that "Put hard disks to sleep whenever possible" is unchecked. This is necessary to prevent major issues with your computer (My display shut off, and I had to unplug the CMOS and main batteries overnight in order to fix it).

53. Locate the driver for the battery status and install it. Restart your computer once it's installed. You should have a working battery status in the menu bar (at the top right). If not, verify that the option is checked under System Preferences > Energy Saver before you post your issue here.

54. Next we will install and patch for Audio. Please note that the Audio on this machine is not 100% working. The headphone jack and volume buttons do not work. However, on board sound works great. You can also get either a USB or Bluetooth headset or speakers to use.

55. Go to http://www.hackintoshosx.com/files/file/4013-alc-668-for-asus-n550jv-on-1092/

56. Download and install the provided kext. Copy the HDEF definition from the above website, and open your DSDT file. Replace the current HDEF definition with what was provided at the weblink.

57. Click on Patch and find and apply the IRQ fix. Compile to check for errors, and then save the changes to your DSDT file.

58. Reboot to test for working sound. You may have to go to System Preferences > Sound and click the option to show sound in the menu bar.

You should now have a working hackintosh on your Dell XPS 18. You can now install other necessary programs to customize your hackintosh experience.

NOTE: For touch drivers, you might visit "touch-base.com" and request the drivers for the "USBest Technology, SiS HID, USB" drivers to be sent to you. Once you hit your 100 clicks, you can recalibrate from the drivers' control panel and it will be

good for another 100 clicks. OR you can support the programmers' hard work and purchase the drivers.